



K N D L A B S

Certificate of Analysis Documents
KND Labs Full Spectrum Distillate (Raw)

Product: FSO24-R-648

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The Industry Leader in Quality, Certifications and Compliance at Scale.

Prepared for:

KND LABS

5801 W 6th Ave Unit A

LAKEWOOD, CO USA 80214

KND Labs Full Spectrum Distillate (Raw)


Batch ID or Lot Number: FSO24-R-648	Test: Pesticides	Reported: 25Sep2024	USDA License: NA
Matrix: Concentrate	Test ID: T000290513	Started: 24Sep2024	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 20Sep2024	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	388 - 2739	ND
Acephate	42 - 2678	ND
Acetamiprid	40 - 2667	ND
Azoxystrobin	47 - 2681	ND
Bifenazate	56 - 2683	ND
Boscalid	37 - 2716	ND
Carbaryl	41 - 2703	ND
Carbofuran	40 - 2718	ND
Chlorantraniliprole	47 - 2777	ND
Chlorpyrifos	59 - 2711	ND
Clofentezine	276 - 2710	ND
Diazinon	362 - 2679	ND
Dichlorvos	314 - 2694	ND
Dimethoate	39 - 2658	ND
E-Fenpyroximate	218 - 2872	ND
Etofenprox	41 - 2849	ND
Etoxazole	236 - 2752	ND
Fenoxycarb	54 - 2682	ND
Fipronil	14 - 2885	ND
Flonicamid	54 - 2673	ND
Fludioxonil	271 - 2620	ND
Hexythiazox	62 - 2720	ND
Imazalil	368 - 2686	ND
Imidacloprid	52 - 2719	ND
Kresoxim-methyl	62 - 2688	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	373 - 2680	ND
Metalaxyl	60 - 2684	ND
Methiocarb	46 - 2719	ND
Methomyl	40 - 2739	ND
MGK 264 1	142 - 1578	ND
MGK 264 2	168 - 1083	ND
Myclobutanil	32 - 2673	ND
Naled	49 - 2682	ND
Oxamyl	44 - 2698	ND
Paclobutrazol	44 - 2668	ND
Permethrin	306 - 2774	ND
Phosmet	66 - 2579	ND
Prophos	272 - 2651	ND
Propoxur	41 - 2712	ND
Pyridaben	267 - 2759	ND
Spinosad A	33 - 2086	ND
Spinosad D	77 - 653	ND
Spiromesifen	250 - 2811	ND
Spirotetramat	354 - 2741	ND
Spiroxamine 1	16 - 1028	ND
Spiroxamine 2	24 - 1597	ND
Tebuconazole	368 - 2685	ND
Thiacloprid	42 - 2721	ND
Thiamethoxam	45 - 2711	ND
Trifloxystrobin	41 - 2702	ND

Final Approval



Sam Smith
25Sep2024
10:22:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
25Sep2024
10:25:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/33b3b954-49ec-4ef7-98c9-9e782f46568e>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

ppb = Parts Per Billion

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

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Prepared for:

KND LABS


5801 W 6th Ave Unit A
LAKEWOOD, CO USA 80214

KND Labs Full Spectrum Distillate (Raw)

Batch ID or Lot Number: FSO24-R-648	Test: Residual Solvents	Reported: 25Sep2024	USDA License: N/A
Matrix: Concentrate	Test ID: T000290515	Started: 24Sep2024	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 20Sep2024	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	86 - 1718	ND	
Butanes (Isobutane, n-Butane)	170 - 3403	ND	
Methanol	62 - 1250	ND	
Pentane	89 - 1776	ND	
Ethanol	91 - 1814	ND	
Acetone	103 - 2062	ND	
Isopropyl Alcohol	104 - 2084	ND	
Hexane	6 - 125	ND	
Ethyl Acetate	104 - 2080	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	97 - 1937	ND	
Toluene	19 - 373	ND	
Xylenes (m,p,o-Xylenes)	135 - 2701	ND	

Final Approval



Sam Smith
25Sep2024
09:15:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
25Sep2024
09:18:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/aaaa1c75-d8ad-43fb-a7de-eb48abb816e7>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Cert #4329.02

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Prepared for:

KND LABS

5801 W 6th Ave Unit A

LAKEWOOD, CO USA 80214

KND Labs Full Spectrum Distillate (Raw)

Batch ID or Lot Number: FSO24-R-648	Test: Heavy Metals	Reported: 26Sep2024	USDA License: NA
Matrix: Unit	Test ID: T000290514	Started: 26Sep2024	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 20Sep2024	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.42	ND	
Cadmium	0.04 - 4.42	ND	
Mercury	0.04 - 4.48	ND	
Lead	0.05 - 4.56	ND	

Final Approval


Judith Marquez
26Sep2024
03:34:00 PM MDT

PREPARED BY / DATE


Sam Smith
26Sep2024
03:37:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7da1c0d3-4af1-4037-89bb-d9e1dec99ca9>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

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Technical Specifications

Product Name: FULL SPECTRUM RAW DISTILLATE

≥ 40% CBD | ≤ 5.0% THC

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1. Product Data

DESCRIPTION

KND Full Spectrum Raw Distillate goes through a primary extraction from industrial hemp using approved hydrocarbon solvents, denatured ethyl alcohol, or CO₂. It is then refined into a high-potency distillate. The Industrial Hemp Biomass is sourced from US Growers who have registered with their state's respective Department of Agriculture.

INTENDED USE

Industry specific per customer. Unfinished ingredient requiring further processing.

COUNTRY OF ORIGIN

Made in USA from domestic ingredients

INCOMPATIBILITIES

No known incompatibilities

STANDARD PACKAGING

HDPE Food Grade Plastic - Bucket, Canister, Jerrican, F-Style Jug, Drum; Aluminum Screw-top Bottle, Glass Screw-top Bottle, Steel Drum

SHELF LIFE

24 months after packaging

STORAGE & HANDLING

Storage Container : Store in original, tightly closed containers under dry conditions at ambient temperature. Do not freeze. Limit exposure to light.

Temperature: Keep at temperatures between 10°C to 23°C.

Once cannabinoids are exposed to air, they may oxidize and darken in color.

ALLERGEN STATEMENT

Does not contain beef, buckwheat, celery, cereals with gluten, chicken, crustacean shellfish, egg, fish, lupin, mango, milk, molluscan shellfish, mustard, peach, peanut, pork, royal jelly, sesame, soy, tree nuts, tomato, or wheat.

FOOD AND DRUG ADMINISTRATION DISCLOSURE

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

WARNING STATEMENT

Not recommended for children, pregnant, or nursing women. If taking medication, consult a physician before use. Keep out of the reach of children.

CALIFORNIA PROPOSITION 65

May contain exposures to delta-9- Tetrahydrocannabinol (Δ9 THC) which is known to the State of California to cause birth defects or other reproductive harm. KND Labs tests for Δ9 THC and though its presence may not be detected or may be minimal, a warning is required because limitations of exposure are not defined.

2. Specifications - General Information

APPEARANCE

Light to amber gold oil

FLAVOR

Natural terpene flavor, earthy

ODOR

Natural terpene odor, earthy

CONSISTENCY

Distillate oil. May be partially or fully crystallized. Must heat to homogenize prior to mixing

SOLUBILITY

Oil

COMPOSITION

100% Hemp extract by weight

PLANT PARTS USED IN OIL

Stalk, stem, flower

Know your CBD Source. Buy Direct from the Manufacturer.



Technical Specifications

Product Name: FULL SPECTRUM RAW DISTILLATE

≥ 40% CBD | ≤ 5.0% THC

3. Composition/Ingredient Information

APPROVED TESTING LABS

The following third party labs have been approved to test KND products based on a track record of quality and regulatory compliance:

- Botanacor dba SC Labs
- DB Labs
- Eurofins

If the listed labs are not used for the finished product, KND recommends that the ingredient is tested at the desired non KND approved lab to calibrate the finished product results.

NOTE:

¹ Unfinished hemp products are only required to test for potency per 6 CCR 1010-21.7 (F) *Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations*. All other contaminants are not required for compliance testing. Additional testing may be arranged. Please contact a KND representative. For more information, visit <https://cdphe.colorado.gov/hemp-food>.

CANNABINOID CONTENT	%	METHOD(S)
CBD	≥ 40	HPLC applications LCMS LCUV
THC	≤ 5.0	
CBDA	Reportable	
CBDV	Reportable	
CBN	Reportable	
CBG	Reportable	

CANNABIDIOL INFORMATION	
INCI Name	Cannabidiol
CAS-No	13956-29-1
Molecular Weight (g/mol)	314.46
Chemical Formula	C ₂₁ H ₃₀ O ₂

OTHER	LIMIT	METHOD(S)
HEAVY METALS	See Note ¹	ICP-MS ; MS-MS
PESTICIDES	See Note ¹	GC applications; HPLC applications ; LCMS applications
MICROBIOLOGICAL	See Note ¹	Microarray ; PCR ; qPCR ; Petrifilm ; VIDAS
RESIDUAL SOLVENTS	See Note ¹	GC applications

Know your CBD Source. Buy Direct from the Manufacturer.